

FIGURE 1
(Prior Art)

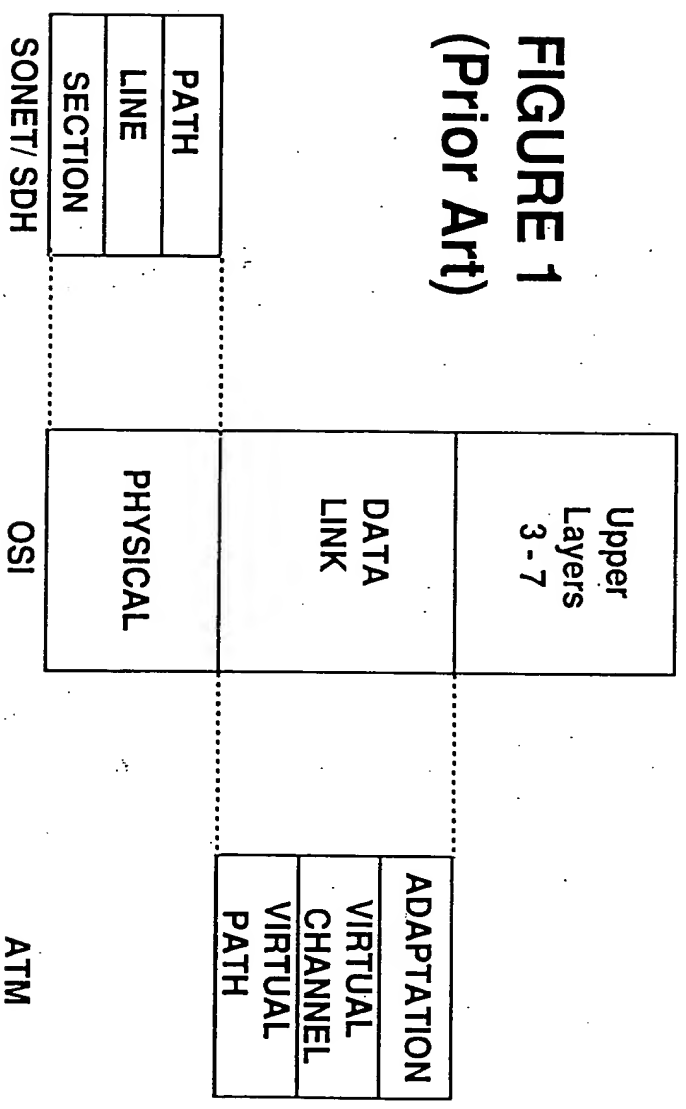


FIGURE 2A (Prior Art)

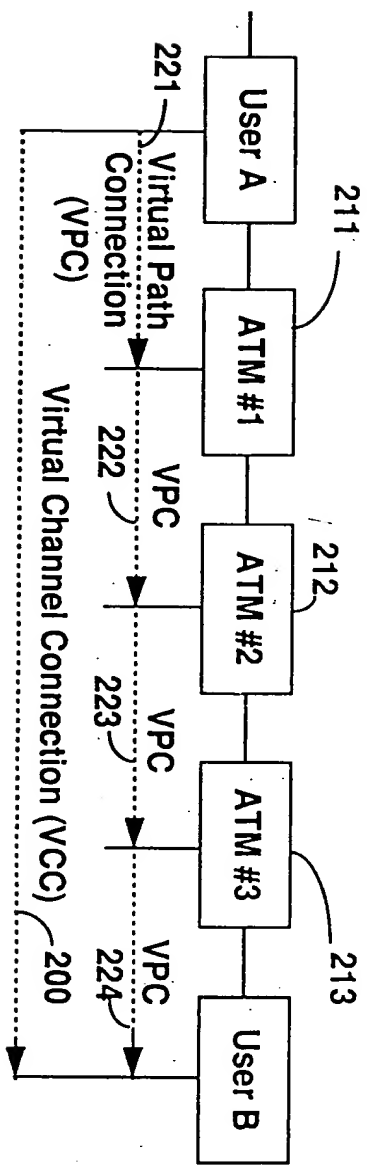


FIGURE 2B

(Prior Art)

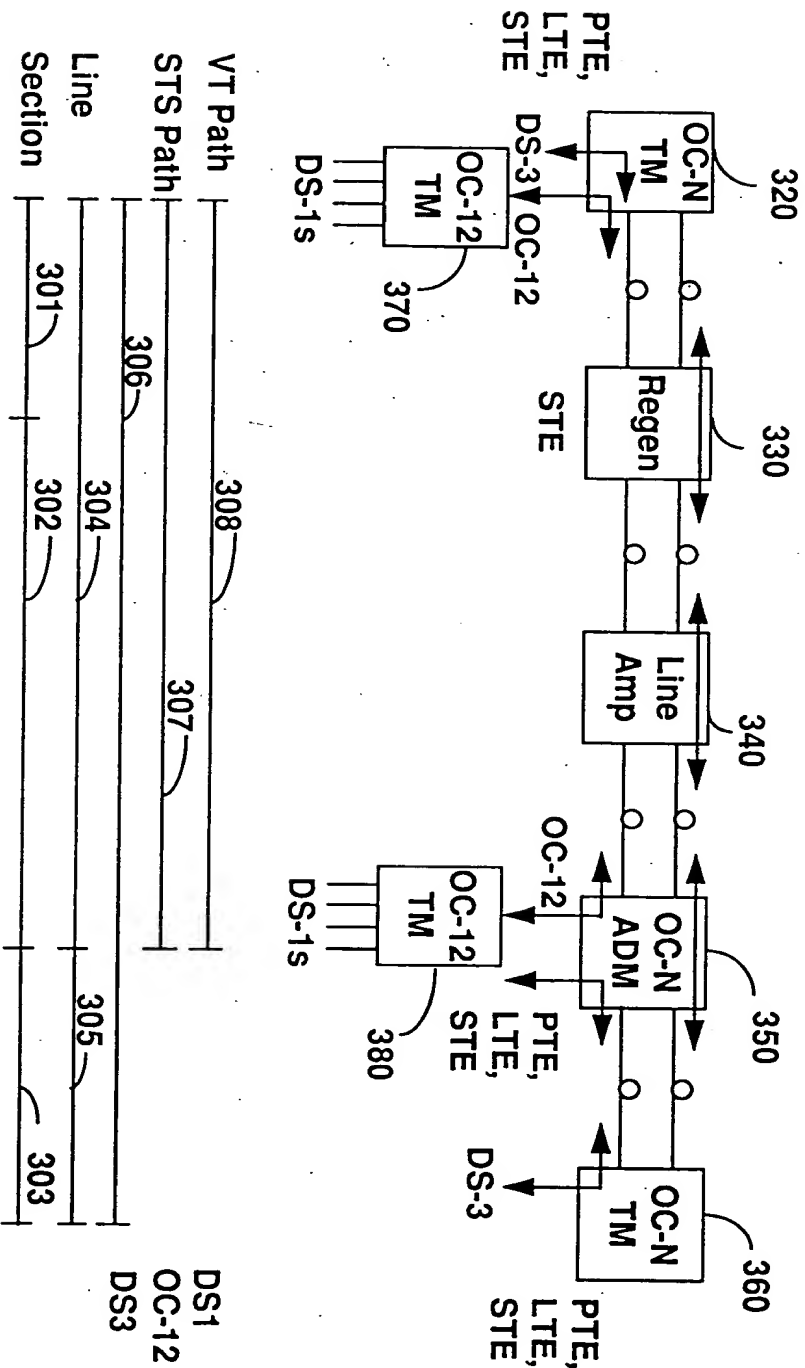


FIGURE 3A

(Prior Art)

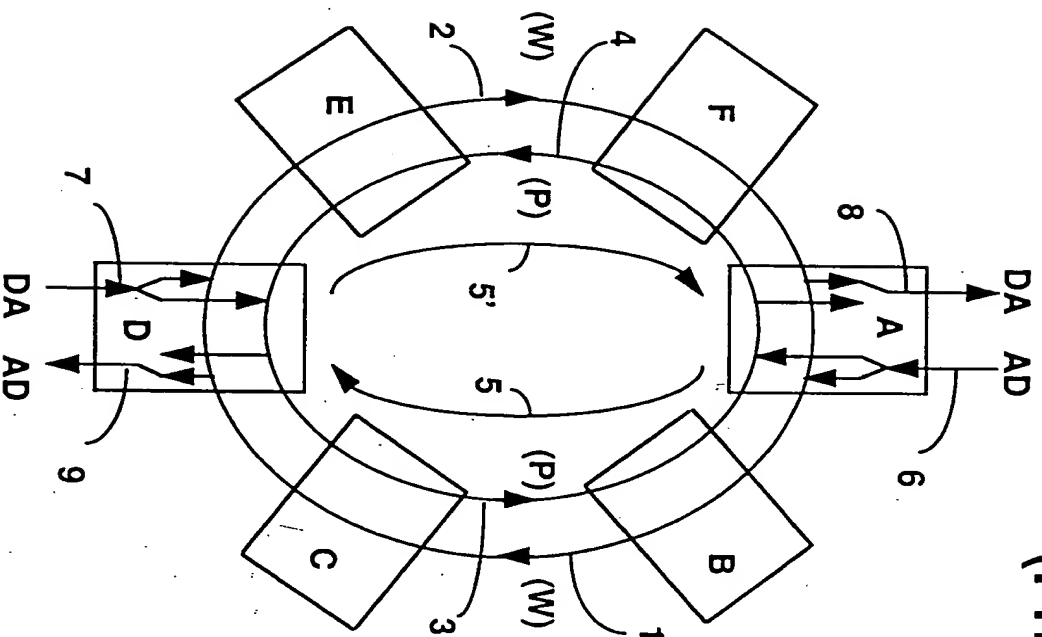
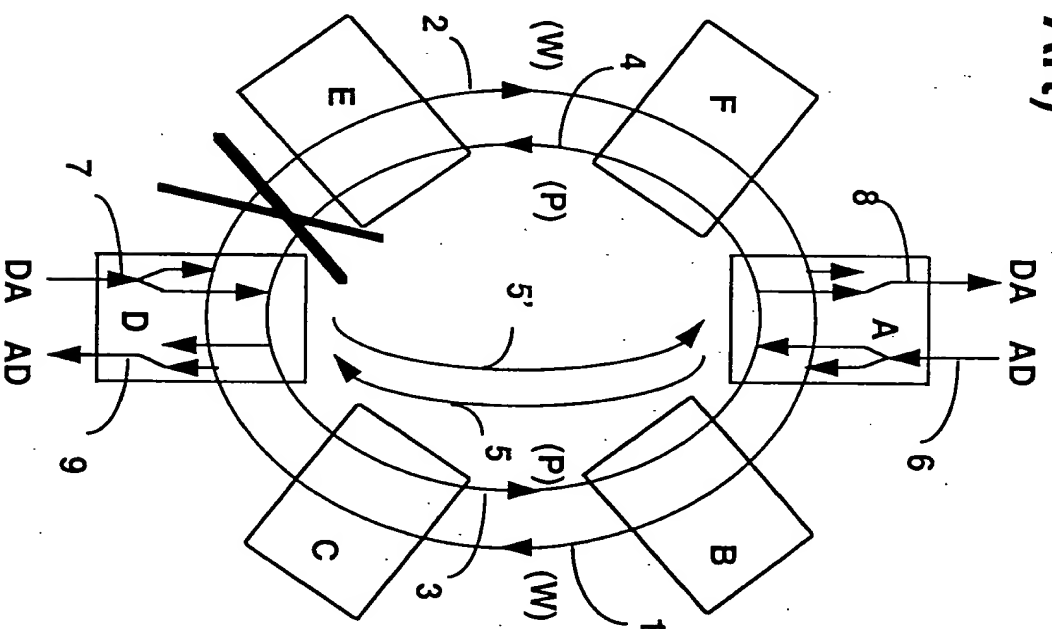


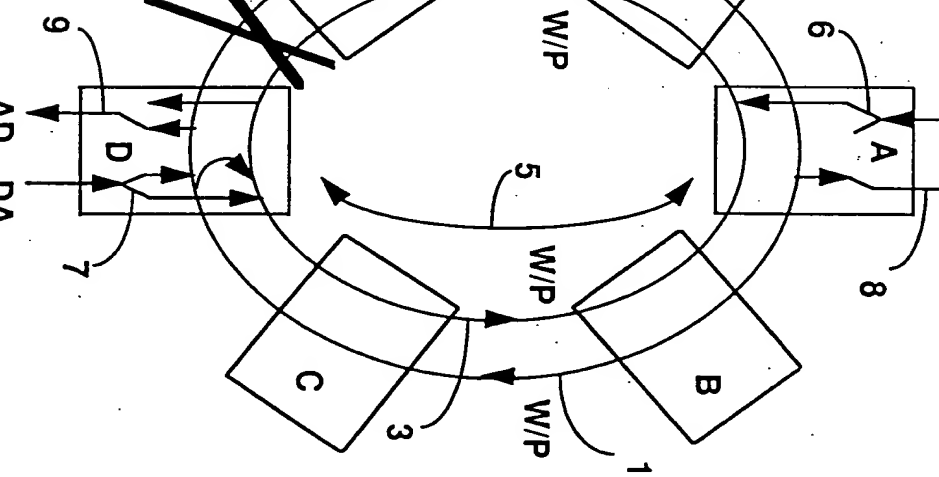
FIGURE 3B



AD DA

AD DA

AD DA



The diagram shows a ring resonator with six mirrors labeled A, B, C, D, E, and F arranged in a hexagonal pattern. Mirrors A and D are on the right and left respectively, and are labeled with 'DA' and 'AD' indicating input/output ports. Mirrors B, C, E, and F are on the top, bottom, bottom-left, and top-left respectively. The resonator is divided into two main regions, 5 and 5', by a central vertical line. Arrows indicate the direction of light propagation: from A to B, B to C, C to D, D to E, E to F, and F to A. There are also arrows labeled W and P indicating specific paths or components within the resonator. The entire structure is labeled with various numbers (1, 2, 3, 4, 6, 7, 8, 9, 10, 20) and letters (A, B, C, D, E, F, P, W) to identify specific parts and components.

The diagram illustrates a six-channel optical switch. A circular waveguide is divided into six segments labeled A through F. Each segment contains a waveguide with a switch element (A, D, P, W, P, W). The segments are connected in a ring configuration. The diagram includes labels for input/output ports (DA, AD), waveguide segments (1, 2, 3, 4), and switch elements (A, D, P, W). A large 'X' is drawn over the bottom half of the diagram.

FIGURE 6A

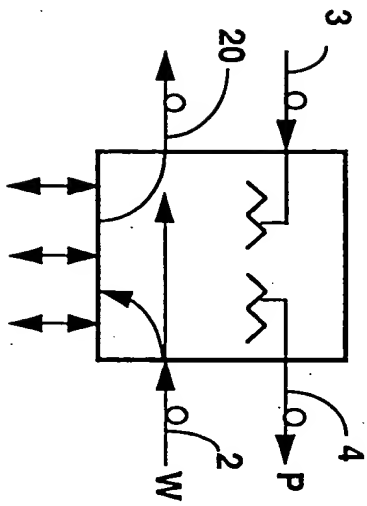


FIGURE 6B

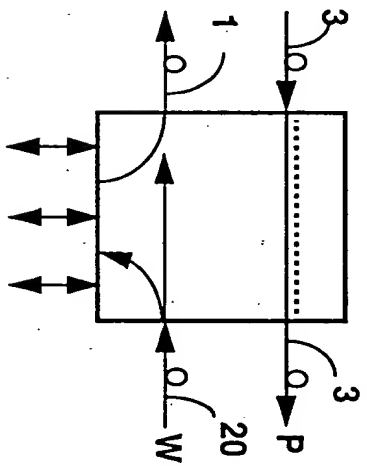


FIGURE 6C

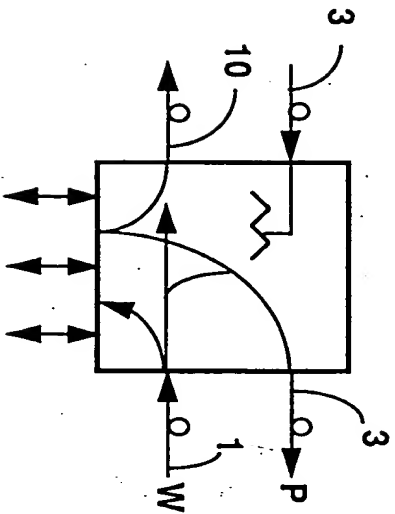


FIGURE 6D

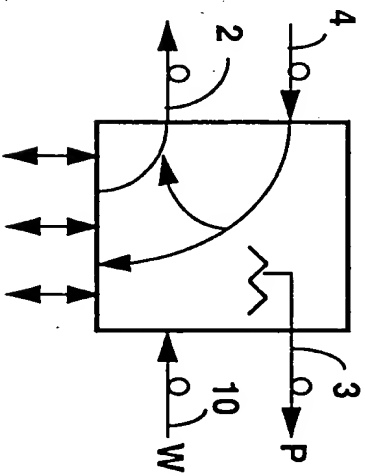


FIGURE 7

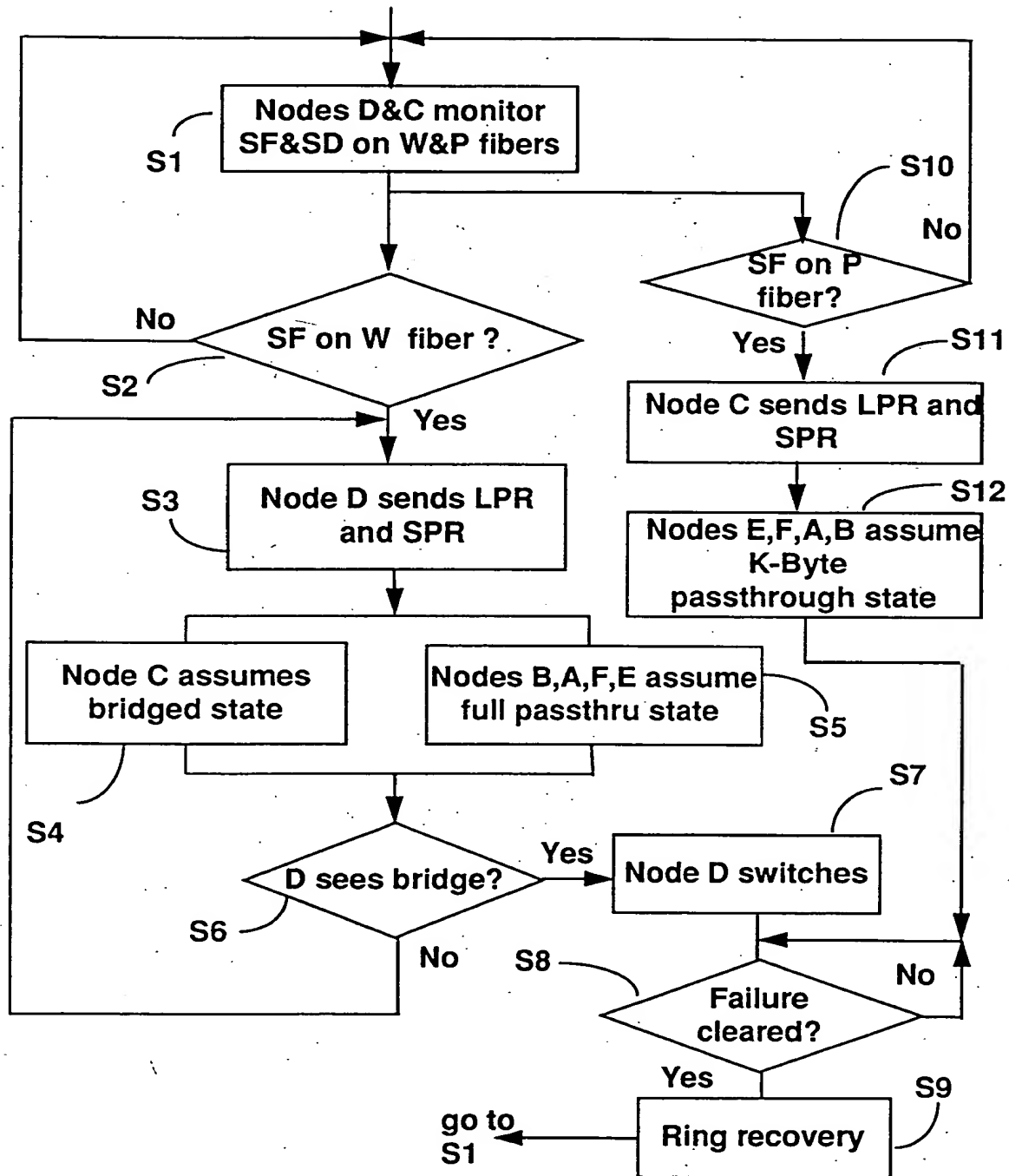


FIGURE 8

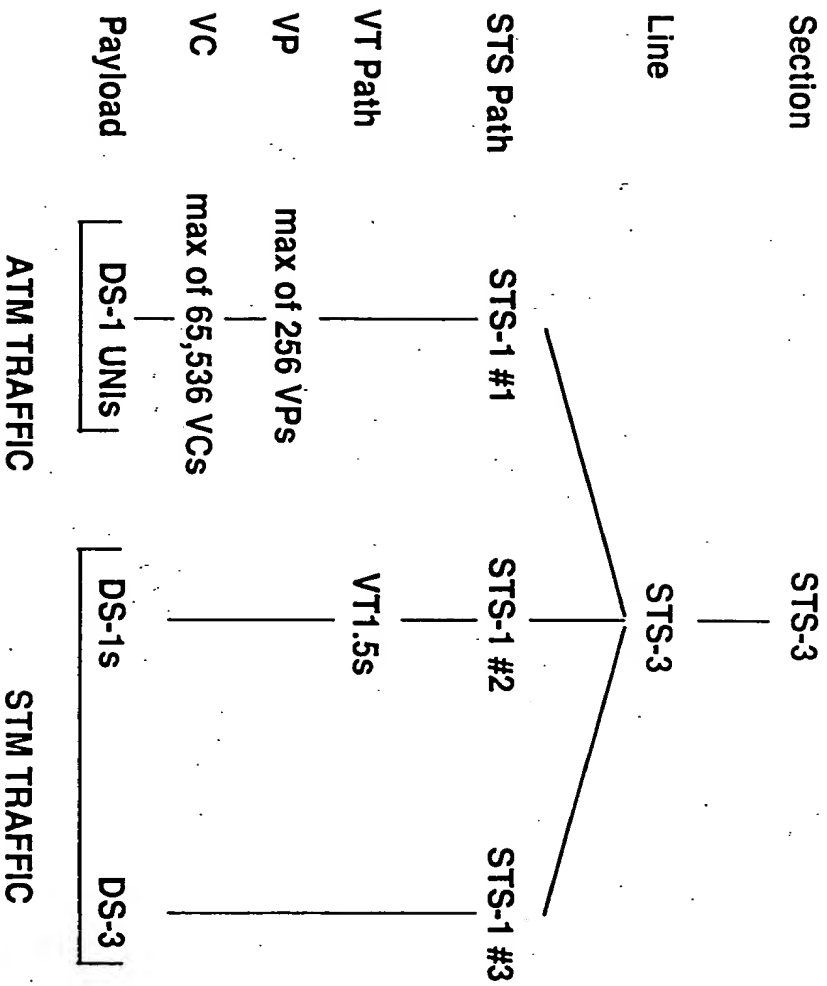


FIGURE 9

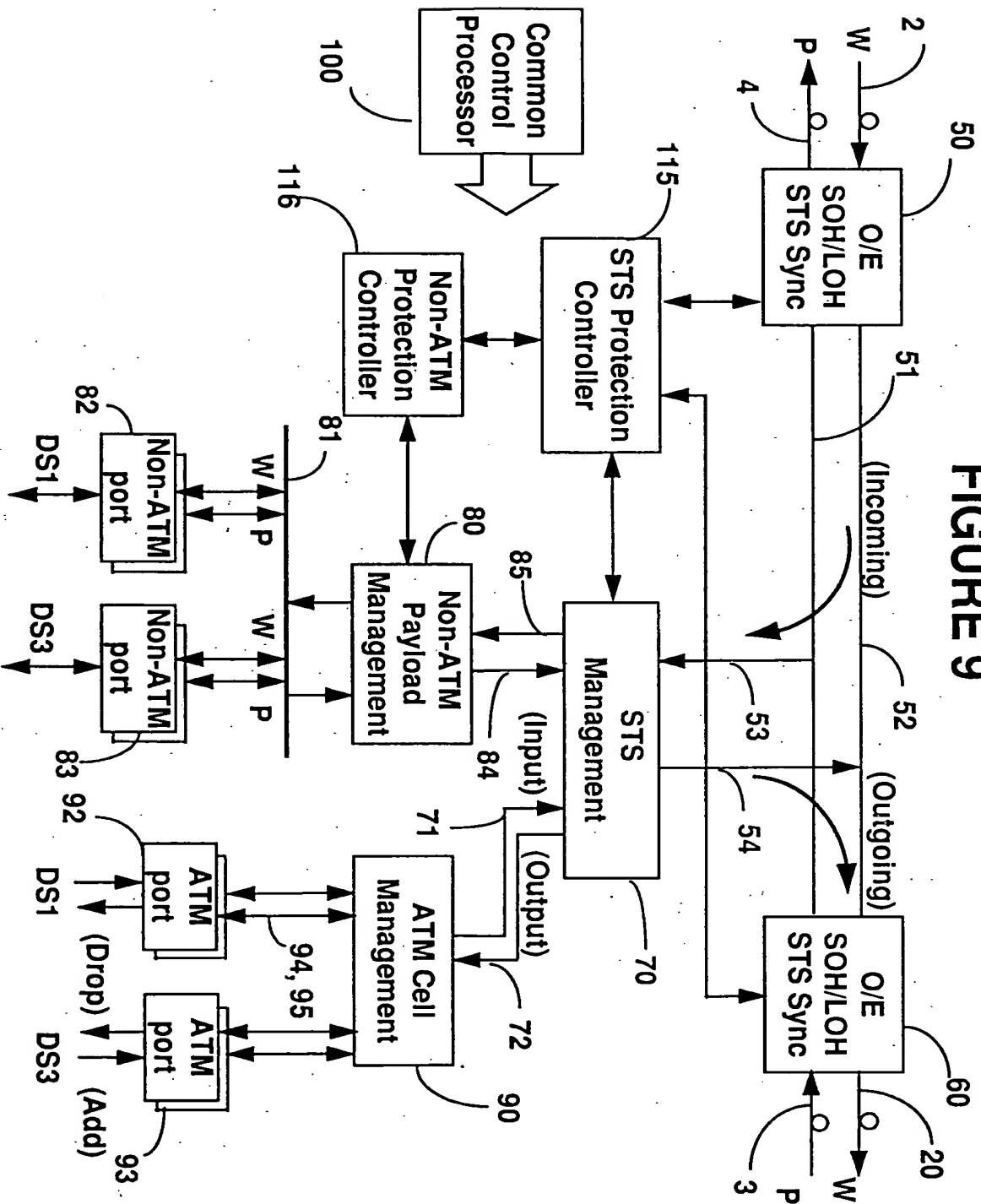


FIGURE 10

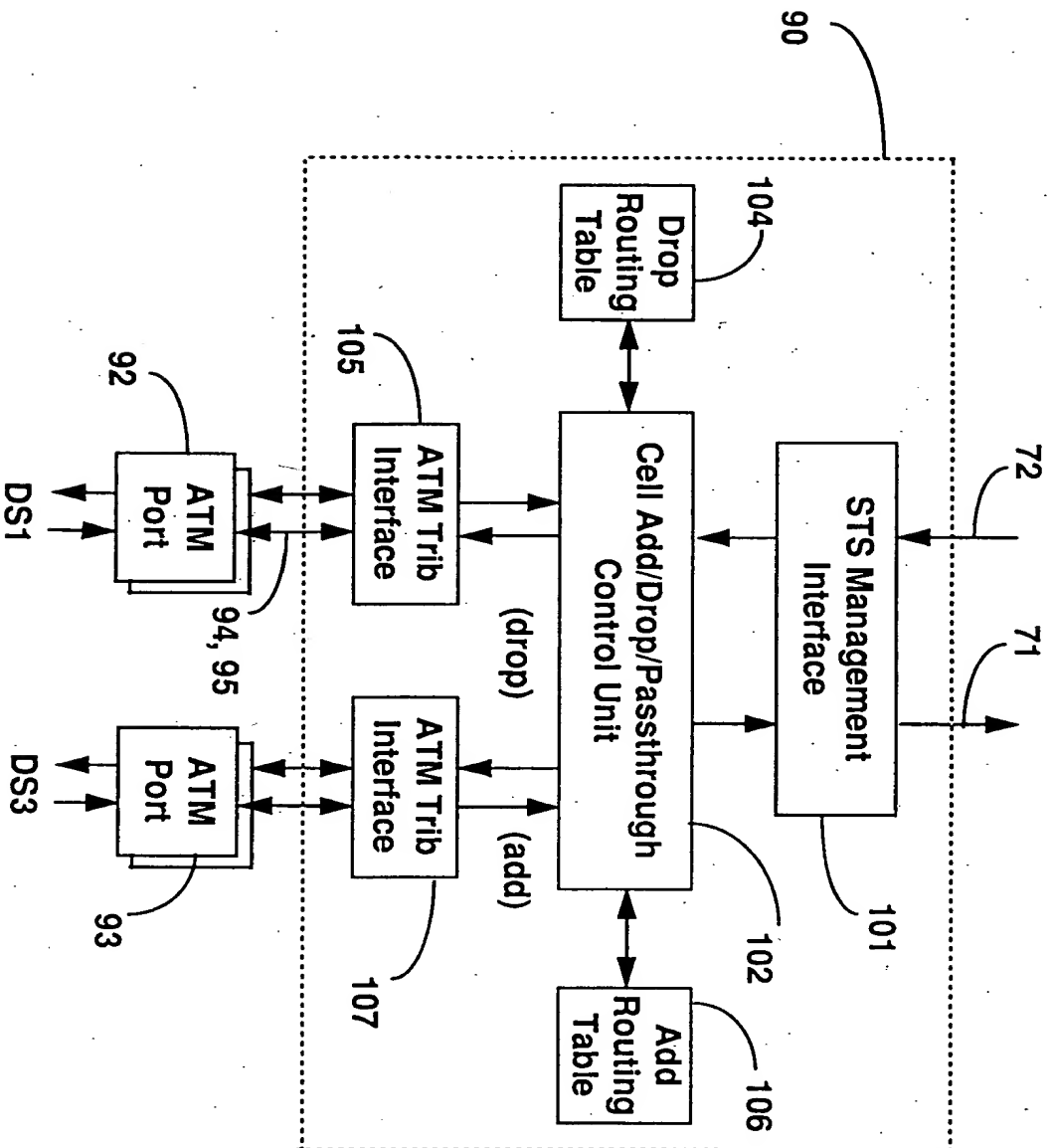


FIGURE 11

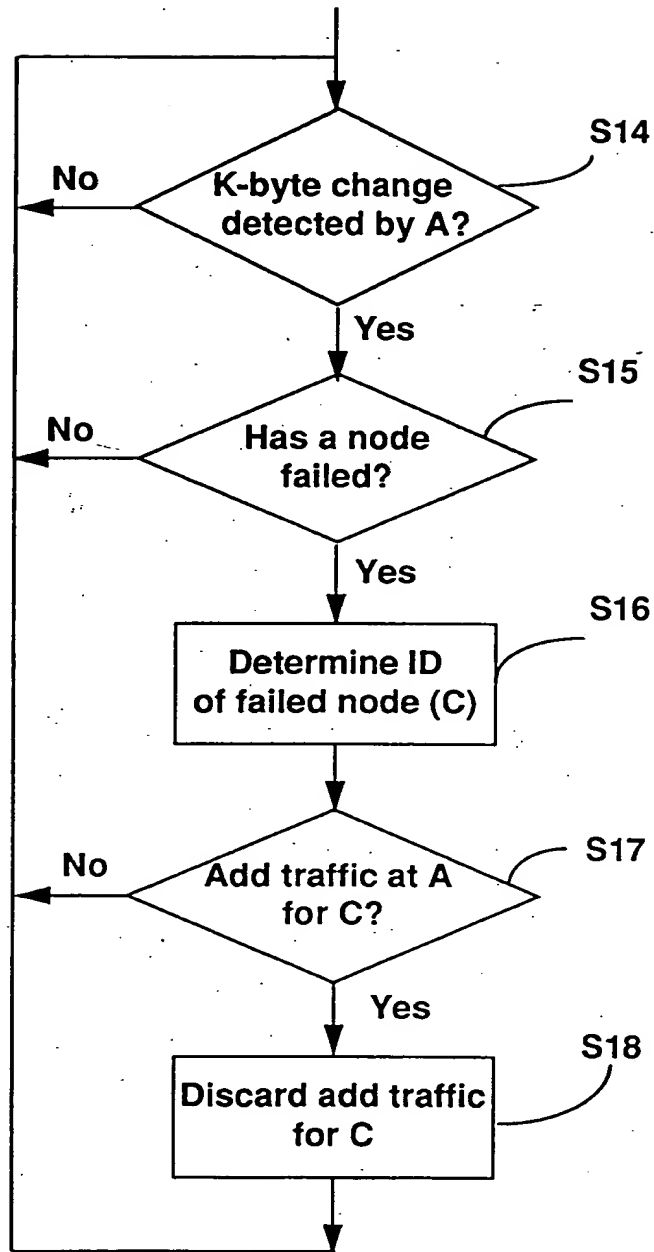
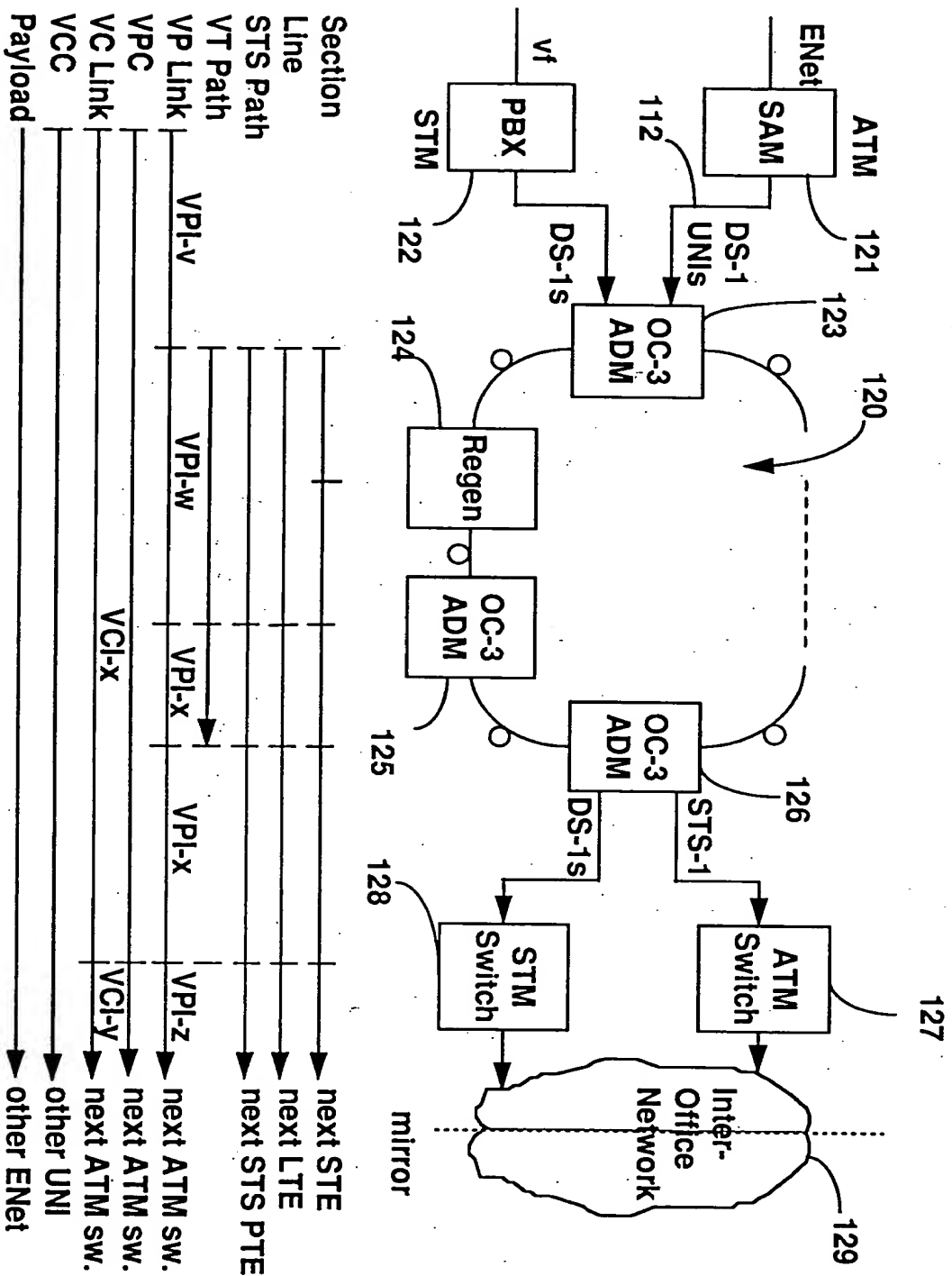


FIGURE 12



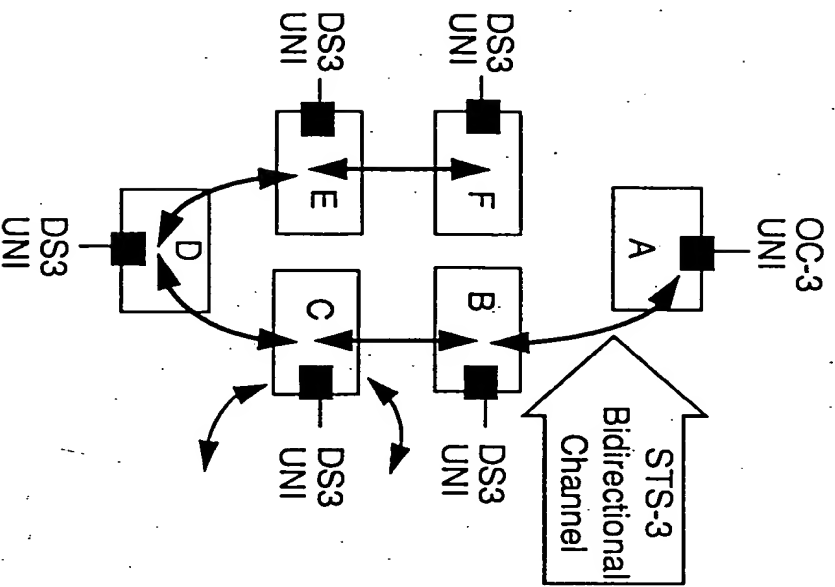


FIGURE 13A

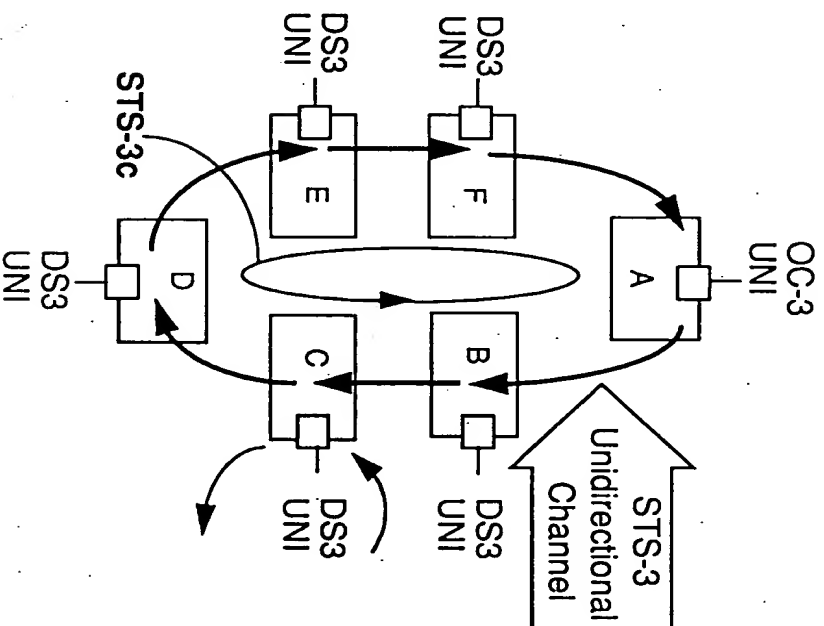


FIGURE 13B